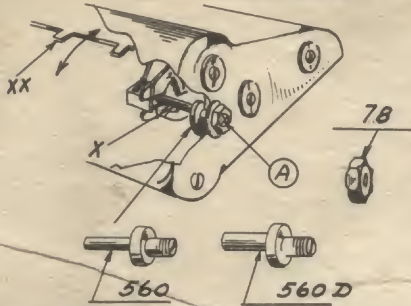


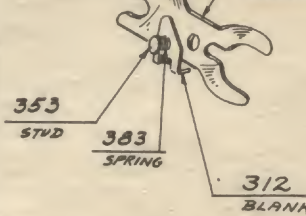
MACHINE SERVICE BULLETIN No. 50 - ILLUSTRATING CHANGES IN DESIGN AND NEW FEATURES INCORPORATED IN ALL 'K' MODEL MACHINES TO DATE

ADJUSTMENT FOR TRIPROD SHAFT ALL MODELS (1)



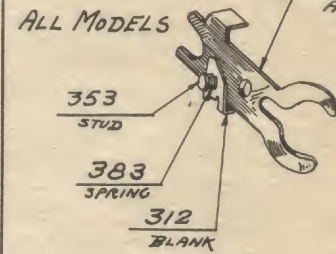
X IS AN ECCENTRIC STUD - ADJUSTING IT WITH SLOT (A) WILL THROW POINTS XX FORWARD OR BACK TO SUIT FOR CLEAR OUT PINS.

SPRING TENSION FOR CHECK PAWL 2 & 2A MODELS 3-10 3/4 ASSEMBLY (2)



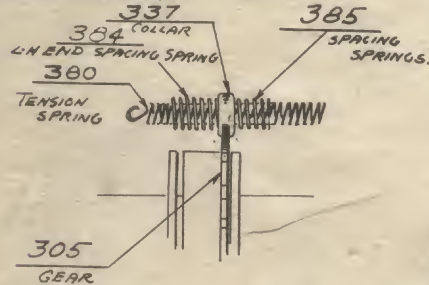
THESE PARTS ACT AS A TENSION AGAINST PART 313 - SUPERSEDES PART 383

SPRING TENSION FOR CHECK PAWL AND CHECK SPRING SUPPORT ARM. 3-10 ASSEMBLY (3)



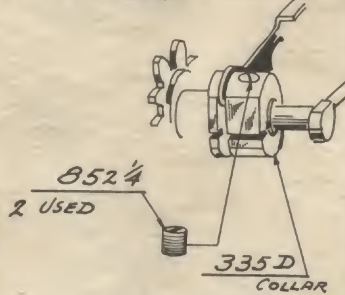
THESE PARTS ACT AS A TENSION AGAINST PART 313 - SUPERSEDES PART 383

NEW DESIGN OF CHECK SPRING AND ROLLERS (4)



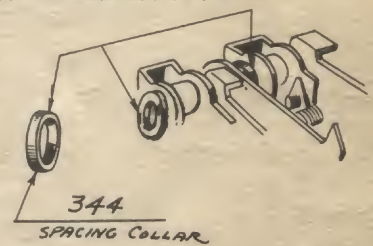
ALL MODELS

NEW DESIGN OF R.H INT GEAR SHAFT COLLAR (5)



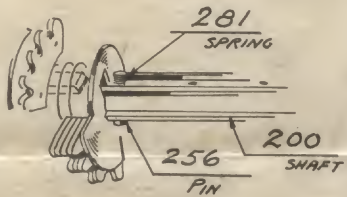
ALL MODELS

SPACING COLLAR FOR CARRYING CHECK PAWL (6)



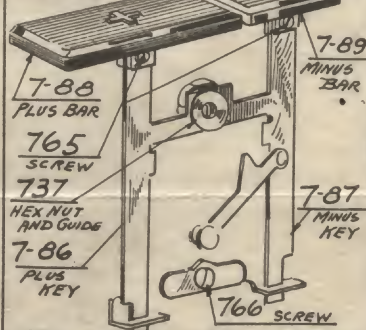
ALL MODELS

NEW SPACING PIN AND SPRING FOR SELECTING GEAR SHAFT (7)



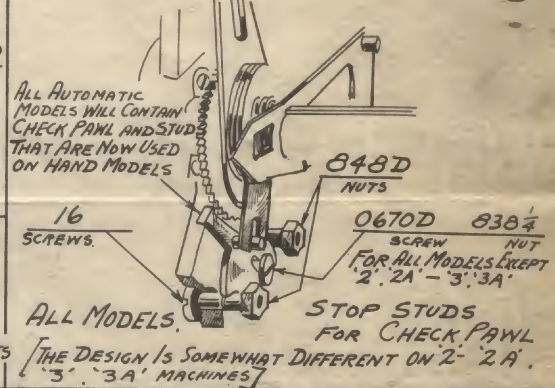
ALL MODELS

PLUS & MINUS BARS (8)



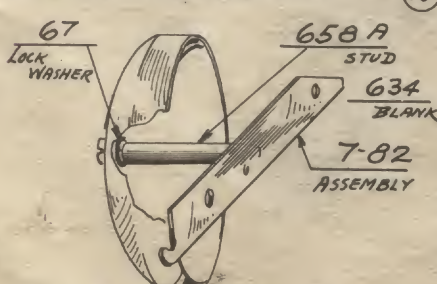
ADD AND SUBTRACT KEYS AND BRACKETS AUTOMATIC MODELS

CHECK PAWL (9)



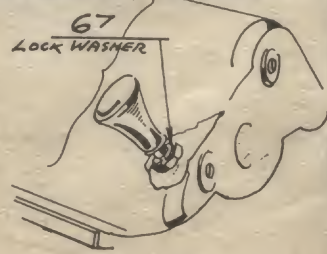
ALL MODELS. STOP STUDS FOR CHECK PAWL [THE DESIGN IS SOMEWHAT DIFFERENT ON 2-2A, 3-3A MACHINES]

BELL STUD PARTS (10)



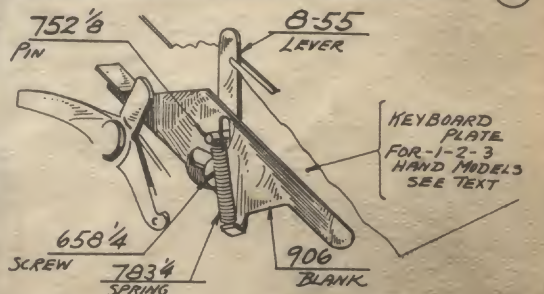
ALL MODELS - EXCEPT 'O' HAND MACHINES.

LOCK WASHER UNDER CARRIAGE LIFT HANDLE (11)



ALL MODELS

DIVISION STOP RELEASE MECHANISM (12)



FOR 1-2-3 HAND MODELS.

PLATE 2

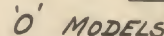
13



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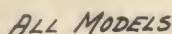


15

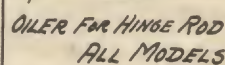


16

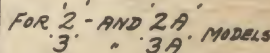
17



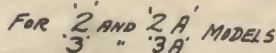
18



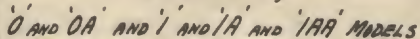
19



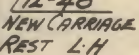
(20)



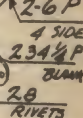
(21)



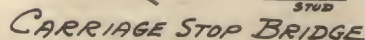
22



23



(24)

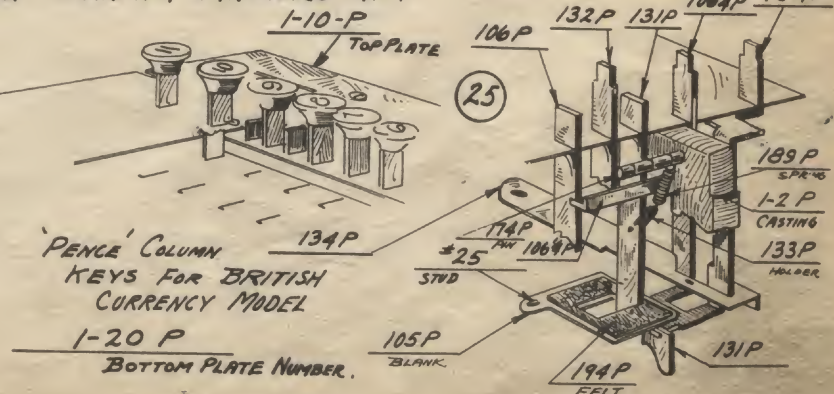


FOR MODELS 'P'

1-20 P

BOTTOM PLATE NUMBER

25



PARTS AND ASSEMBLY LIST
K MODEL CHANGES IN DESIGN
(MACHINE SERVICE BULLETIN NO. 50)

Part No.	Name	Quantity			Shown on		List
		Per Mch.	12	16	20	Pl. Fig. No. No.	
67	#8 Lock Washer 1/16 x 1/32 Section	2	2	2	1	10-11	.03
73-A	8/36 x 3/32 Nut for R. H. Counter						
	Shaft Bracket for 2,2A,3,3A Models	1	1	1	2	19	.03
78	10/30 x .110 Nut for K560 & K560D	1	1	1	1	1	.05
120	Reinforcement Plate for Keyboard						
	Clearing Key Slot	1	1	1	2	13	.10
235#1-10	Four Teeth Selecting Gear	6	8	10	2	17	.50
236#1-10	Five Teeth Selecting Gear	6	8	10	2	17	.50
256 n.s.	Spacing Pin for Selecting Gear Shaft	7	9	11	1	7	.05
281	Lock Spring for #256	7	9	11	1	7	.03
312	Friction Blank for Carrying Check						
	Pawl	6	8	10	1	3	.10
335-D	R. H. Intermediate Gear Collar	1	1	1	1	5	.35
337 n.s.	Roll for Check Spring	7	9	11	1	4	.05
344	Spacing Collar between Carrying Wedge						
	and Carrying Check Pawl	5	7	9	1	6	.05
346 n.s.	Collar for Bell Trigger	1	1	1	2	15	.05
348	Nut for #301	1	1	1	2	15	.03
353 n.s.	Stud for Friction Spring for Carrying						
	Check Pawl	6	8	10	1	2-3	.03
374	Screw for Extra Carry Gear and Bell						
	Trigger	1	1	1	2	15	.05
380 n.s.	Check Spring (16 Place)		1		1	4	.20
380 $\frac{1}{2}$ n.s.	Check Spring (20 Place)			1	1	4	.25
380 $\frac{3}{4}$ n.s.	Check Spring (12 Place)	1			1	4	.15
383 n.s.	Friction Spring for Carrying Check						
	Pawl	6	8	10	1	2-3	.03
384 n.s.	L. H. End Spacing Spring for Check						
	Rollers	1	1	1	1	4	.05
385	Spacing Spring for Check Rollers	13	17	21	1	4	.05
560 n.s.	Eccentric Stud for Locating Trip Rod						
	Positioning Finger	1	1	1	1	1	.20
560-Dn.s.	Eccentric Stud for Locating Trip Rod						
	Positioning Finger, 2,2A,3,3A Models	1	1	1	1	1	.20
608 $\frac{1}{4}$	Clip for Carriage Hinge Rod Oiler	1	1	1	2	18	.08
692 $\frac{1}{4}$	Felt Oiling Washer for Carriage Lock						
	Latch	2	2	2	2	18	.03
693 $\frac{1}{4}$	Felt Carriage Hinge Rod Oiler	1	1	1	2	18	.05
737	Guide Nut for Add and Subtract						
	Keystems	1	1	1	1	8	.10
765	Screw for Add and Subtract Keystems	2	2	2	1	8	.03
844 $\frac{1}{4}$	Gear on Carrying Shaft to drive						
	Reverse Mechanism	1	1	1	2	20	.25
848-Dn.s.	Stop Nut for Check Pawl	2	2	2	1	9	.10
852 $\frac{1}{4}$	Set Screw for 335D Collar	2	2	2	1	5	.05
853 $\frac{1}{4}$	Screw for KD Counter Shaft Bracket	1	1	1	2	19	.05
906	Division Stop Release Arm for 1 & 2						
	Series Hand machines	1	1	1	1	12	.15
1340	Shoe for Carriage Rest	2	2	2	2	22	.30
1359	Stud for Carriage Rest Shoe	2	2	2	2	22	.03

PARTS AND ASSEMBLY LIST K MODEL CHANGES IN DESIGN Page 2

Assem. No.	Name	Quantity			Shown on			List Price
		Per Mch.	12	16	20	Pl. No.	Fig. No.	
3-10 n.s.	Spring Tension for Check Pawl and Check Spring Support Arm	6	8	10	1	3		.15
3-10 $\frac{1}{4}$ n.s.	Spring Tension for Check Pawl and Check Spring Support Arm, 2,2A,3,3A Models	5	7	9	1	2		.20
3-50 n.s.	Bell Trigger and Hammer	1	1	1	2	15		.55
6-54	Oil Clip for Carriage Lock	2	2	2	2	18		.10
7-82 n.s.	Spring Hook Blank for L.H. Carriage Latch Spring and Stud	1	1	1	1	10		.20
7-86 n.s.	Add Key and Toggle Link	1	1	1	1	8		.30
7-87 n.s.	Subtract Key and Toggle Link	1	1	1	1	8		.45
7-88	Plus Key Bar	1	1	1	1	8		.70
7-89	Minus Key Bar	1	1	1	1	8		.40
8-55	Division Stop Release Lever	1	1	1	1	12		.30

FOR BRITISH CURRENCY MACHINES ONLY

Part No.

105-P	Washer for #9,10,11 Pence Keystems	3	3	3	2	25		.10
106-P	#10 Keystem for Pence Machine	1	1	1	2	25		.10
106 $\frac{1}{4}$ -P	Push Keystem for #10 Pence Key	1	1	1	2	25		.10
131-P	#11 Keystem for Pence Machine	1	1	1	2	25		.10
131 $\frac{1}{4}$ -P	Push Keystem for #11 Pence Key	1	1	1	2	25		.10
132-P	#9 Keystem for Pence Machine	1	1	1	2	25		.10
133-P	Spring Clip on #9,10,11 Pence Keystems	3	3	3	2	25		.05
134-P	Guide for #10 and #11 Pence Keys	1	1	1	2	25		.15
151-B	Rivet for Carriage Stop Bridge	2	2	2	2	24		.08
174-P	Spring Stud for #189-P	1	1	1	2	25		.10
189-P	Restoring Spring for #9,10,11 Pence Keys	3	3	3	2	25		.05
194-P	Felt Pad for #9,10,11 Pence Keys	1	1	1	2	25		.05
234-P	Lug on L. H. Selecting Arm for #11 Pence Keystem	1	1	1	2	23		.05
234 $\frac{1}{4}$ -P	Lug on R. H. Selecting Arm for #11 Pence Keystem	1	1	1	2	23		.05

Assem. No.

1-2-P	Rear Keyboard Casting (16 Place)	1			2	25		3.25
1-2 $\frac{1}{2}$ -P	Rear Keyboard Casting (20 Place)			1	2	25		3.50
1-2 $\frac{3}{4}$ -P	Rear Keyboard Casting (12 Place)	1			2	25		2.90
1-10-P	Top Keyboard Plate and Riveted Parts (16 Place)	1			2	24		2.75
1-10 $\frac{1}{2}$ -P	" " " " (20 Place) "			1	2	24		3.00
1-10 $\frac{3}{4}$ -P	" " " " (12 Place) "	1			2	24		2.50
1-20-P	Bottom Keyboard Plate and Riveted Parts (16 Place)	1						2.40
1-20 $\frac{1}{2}$ -P	" " " " (20 Place) "			1				2.70
1-20 $\frac{3}{4}$ -P	" " " " (12 Place) "	1						2.10
2-6-P	R. H. #1 Selecting Arm-Pence Machine	1	1	1	2	23		.40
2-7-P	L. H. #1 Selecting Arm-Pence Machine	1	1	1	2	23		.45

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